

mt6wzw
1919/20

The Bulletin of the University of Minnesota

*West Central School and Station
Morris, Minnesota
Announcement for the Year
1919-1920*



THE LIBRARY OF THE
FEB 26 1931
UNIVERSITY OF ILLINOIS.

Vol. XXII No. 19 June 16 1919

*Entered at the post-office in Minneapolis as second-class matter
Minneapolis, Minnesota*

*Acceptance for mailing at special rate of postage provided for in section 1103,
Act of October 3, 1917, authorized July 12, 1918*

SCHOOL CALENDAR

1919-1920

1919

September	29	Monday	First term opens; registration
September	30	Tuesday	Organization of classes
November	1	Saturday	Field Day
November	27	Thursday	Thanksgiving Day; a holiday
December	13	Saturday	Inter-society debate
December	19	Friday	First term closes; Christmas vacation begins

1920

January	5	Monday	Christmas vacation ends; second term opens; registration
January	6	Tuesday	Organization of classes
February	12	Thursday	Lincoln's Birthday (special exercises)
February	6	Monday	Farmers' Short Course opens
February	22	Sunday	Washington's Birthday (special exercises)
February	21	Saturday	Farmers' Short Course closes
March	22	Monday	Commencement Week
March	25	Thursday	Junior-Senior-Alumni Banquet
March	26	Friday	Commencement Day
April	6	Monday	Junior Short Course opens
April	10	Saturday	Junior Short Course closes
May	30	Sunday	Memorial Day; a holiday
June	16	Wednesday	Short Course for Farm Women opens
June	19	Saturday	Short Course for Farm Women closes
June	21	Monday	Teachers' Training School opens
July	4	Sunday	Independence Day; a holiday
July	30	Friday	Teachers' Training School closes

WEST CENTRAL SCHOOL AND STATION

FACULTY

MARION LEROY BURTON, Ph.D., D.D., LL.D., President of the University
ROSCOE W. THATCHER, M.A., Dean of the Department of Agriculture

AT MORRIS

PAUL E. MILLER, B.S., Superintendent
FREDERICK A. STEVER, B.A., Preceptor and Registrar
IRMA HATHORN, B.A., Preceptress
MARY E. KING, B.A., Librarian

AGRICULTURAL ENGINEERING

OLE O. BYE, Carpentry and Farm Structures
CHARLES J. ROBERTSON, Farm Engineering
ALBERT C. HEINE, Blacksmithing

AGRONOMY

ROY O. BRIDGFORD, B.S., Agronomy and Farm Management
OTTO SWENSON, Assistant in Agronomy

ANIMAL HUSBANDRY

PHILIP S. JORDAN, B.S., Animal and Dairy Husbandry

HOME ECONOMICS

MILDRED KIMBALL, B.S., Foods and Cookery
ELNA BOSS, B.S., Foods and Cookery
GLADYS GOODNOUGH, B.S., Sewing and Dressmaking

SCHOOL

ARTHUR J. LARSON, B.A., Science
MARY E. KING, B.A., Social Science
MARGARET BEGGIN, B.A., English and Public Speaking
IRMA HATHORN, B.A., Mathematics
EDWIN J. VOLDEN, Accounting
ETHEL HEDMAN, B.A., Music

OFFICERS OF ADMINISTRATION

OLE O. BYE, Superintendent of Buildings
MABEL ANDERSON, B.S., Matron
CHRISTINE B. LAMBIE, School Nurse
EDWIN J. VOLDEN, Accountant
ANNA MCCARTHY, Office Clerk

COMMITTEES

Students' Work.—STEVER, JORDAN, HATHORN, KIMBALL.

Organizations.—HEINE, BRIDGFORD, ROBERTSON, KING, ANDERSON.

Social.—KIMBALL, HEDMAN, BOSS, HEINE, ANDERSON.

Short Course for Farmers.—JORDAN, BRIDGFORD, BYE, ANDERSON.

Short Course for Farm Women.—HATHORN, KIMBALL, MILLER.

GENERAL INFORMATION

PURPOSE

The West Central School of Agriculture was organized in 1910 as a part of the Department of Agriculture of the University of Minnesota, and is governed by the Board of Regents. It was established primarily for the training of young men for the profession of farming and of young women for the profession of home-making. The School now offers exceptional opportunities to young men and young women who desire a technical training in either of these professions. Since it is a secondary school and accepts students directly from the eighth grade, it offers great opportunities for that large group of young people who can not take advantage of the high schools or university, and who are limited in the time that they can give to the completion of their education. The work is planned and subjects are taught with the purpose of making the students efficient in their work. The courses are sufficiently extended to give not only a fairly complete technical knowledge of the business of production, but a working basis for economical and sociological aspects of farm life. The farmer must have a broad grasp of his profession in its relationship with other callings, as well as a realization of the possibilities of its social development. The technical courses are amply supplemented with cultural subjects designed to give the students a broad and liberal viewpoint and the necessary preparation for useful citizenship.

LOCATION

The School is admirably situated to serve the west central part of the state. It adjoins the city of Morris and is situated on a natural rise of ground overlooking the Pomme de Terre Valley. The campus with its twenty buildings, beautiful lawns, and pleasant drives is one of the beauty spots of this section.

ADMISSION

The School will admit any young man or woman who desires a technical training in agriculture and home economics. It is desirable that prospective students should have completed the eighth grade, altho those who have not completed eighth-grade work will be admitted, and opportunity will be given to complete this work. Mature young men and women who have been out of school for one or more years and desire special training in agriculture and home economics will be admitted. In certain lines of work, high-school subjects will be accepted for advanced credit. Students should correspond with the Registrar, West Central School of Agriculture, Morris, before coming to the School and make the necessary preliminary arrangements for registration.

TIME OF OPENING

The fall term of the School of Agriculture will open Monday, September 29, and close Friday, December 19. The winter term will open

Monday, January 5, and close Friday, March 26. The school work covers a period of six months at a time when the students can best be spared from home.

ROOMS IN DORMITORIES

Old or new students planning to attend the School of Agriculture should write early to the Registrar asking him to reserve a room in one of the dormitories. Students should reserve rooms in advance. This may be done by paying a deposit fee of \$2 which will apply on the first month's room rent. If the student is unable to enter school, the deposit may be reclaimed before September 15, after which time it is forfeited. Each dormitory room is furnished with two single beds, a dresser, table, chairs, curtains, sheets, bedspreads, pillows, and pillow cases. Preferences as to roommates should be stated early and will be considered as far as possible.

WHAT TO BRING

Each student should bring with him two comforts and blankets for one single bed, towels, comb, brushes, one tumbler and teaspoon, and at least two nightgowns.

Each girl should bring with her in addition to her ordinary supply of clothing, kimona and bedroom slippers, laundry bag, gymnasium suit, and gymnasium shoes. The kimona and bedroom slippers may be of any style and material; the laundry bag should be of washable material, large enough to hold the soiled clothes of one person, and made to hang on two closet hooks; the gymnasium suit should consist of a pair of black sateen bloomers and a white middie blouse. Standard pattern No. 9225 is recommended for the bloomers. Three and one half yards of material 36 inches wide are required for the average size. Black gymnasium or tennis shoes complete this costume. For those who are unable to make the bloomers at home, assistance will be furnished at the School.

EXPENSES

Necessary expenses for the year do not exceed \$150. This amount does not include traveling and personal expense.

Each student is required to pay for breakage of apparatus used in practical work, for all damage done to School property, and fines imposed as further explained under the paragraph headed, "Home life on the campus."

Small fees to cover the cost of material used are charged for certain of the laboratory courses. The amount of the fee in each case will be found in the description of the course.

Music fees for private lessons are \$7 for each term. Piano rental is \$2.50 per term.

It should be remembered that expenses for fees are for the entire term, and after the first month the only expenses are for board and room.

The cost to the student for board is the actual cost of maintaining the table (including management). Board is payable the first of each

month in advance. A sur-charge of 10 per cent is added to all bills delinquent more than ten days. No deduction is made for board for any absence of less than five days. If students are compelled to be absent for that length of time they are allowed half rates provided they make arrangements with the matron before leaving. No increases will be made unless living costs necessitate an increase in the cost of board.

On entering the School each student should bring sufficient money to pay for one month's board and room, and to pay for his books and fees. This will amount to from \$30 to \$35.

The following expenses are charged to all students. Fees are payable at the time of registration, and board and room at the first of each month.

TABLE OF CHARGES

Registration fee for any part of School year.....	\$5.00
Deposit as guarantee of proper treatment of School property....	5.00
Post-office box per term20
Nurse fee per term required for all students except those living at home	1.50
Board per week.....	3.50
Room per week.....	1.25

HOSPITAL FUND

The hospital fund, which is made up from nurse fees, is expended as follows:

It insures for all students the care and attention of the regular School nurse and such medicines and materials as she may use.

It does not provide medical treatment by physicians.

It does not provide for special nurses, if such be required by reason of serious illness or because of epidemics.

It does not provide for services to any one student in excess of \$10.

RULES AND REGULATIONS

Registration

1. No student will be allowed to register for less than 23 credit hours of work except by special permission of the Students' Work Committee.

2. Students who wish to carry more than 28 credit hours of work must obtain permission from the Students' Work Committee.

3. All fees must be paid or arranged for at the time of registration.

4. No student will be allowed to register after the second week of the term except by permission of the Students' Work Committee.

Cancellation of Registration

5. No student may drop a subject for which he is registered without permission of the Students' Work Committee.

6. If a student is below grade in a subject at the time of cancellation, his record in that subject will be entered as a failure.

7. For each change in registration after the first week of school a charge of 25 cents will be made. All such changes must be approved by the Students' Work Committee on the proper form which the student may obtain at the Registrar's office.

8. No laboratory fees will be returned unless the registration is cancelled in the Registrar's office, within two weeks after the opening of school.

Delinquent Students

9. The Students' Work Committee may at any time require students to cancel a portion of their work.

10. A report of all the work of all doubtful and below-grade students is sent to the Registrar's office at the end of each month.

11. Below-grade students are required to appear before the Students' Work Committee at the end of each month for consultation concerning their delinquent work.

12. No student will be permitted to graduate who has an unremoved incomplete, condition, or failure, in any of the required subjects.

Absences

13. No student will be admitted to class after an absence without a pass from the Preceptor or Preceptress.

14. All work lost through absence from class must be made up.

Classification

15. In order to be classified as a junior, a student must have not to exceed 12 credit hours less than the required number for the freshman year.

16. In order to be classified as a senior, a student must have not to exceed 10 credit hours less than the required number for the first two years.

Marking System

17. The passing mark is 75 on the scale of 100.

18. All grades are submitted to the Registrar's office at the end of each month, in percentage.

19. A grade of *I* (incomplete) at the end of any month represents that the required work of that month has not been completed and that the mark has not been determined. This incomplete must be removed during the following month.

20. A grade of *C* (condition) at the end of a term represents that the required work of the course has not been completed and that the final mark has not been determined. The condition must be removed during the first month of the following term, otherwise it automatically becomes a failure.

21. Extension of time for the removal of conditions may be granted by the Students' Work Committee.

22. Students who have not been absent more than three times and who have obtained a grade of 90 or above in any subject will be excused from final examination in that subject. Three tardinesses constitute an absence.

Eligibility

23. In all interscholastic athletic contests the same eligibility rules will apply as are now used by the Minnesota State High School Association. Rule VIII of this agreement provides:

1. He must be enrolled in the school not less than two weeks before the contest or from the beginning of school.
2. He shall be making grade in at least four subjects for which he is enrolled. These four subjects must total 20 credit hours.

REQUIREMENTS FOR GRADUATION

1. Completion of the prescribed course of study, including all required work and enough electives to make a total of 160 credit hours.
2. One summer of supervised home project work. Of the 160 credits necessary for graduation 5 must be home project work, and 10 will be allowed.
3. An honorable standing in deportment.

HOME LIFE IN THE DORMITORIES

The dormitory life of the students while attending the School of Agriculture is subject to supervision. Everything possible is done to promote a healthful, moral atmosphere.

The Preceptor and Preceptress have charge of the students in their dormitories, and regulations enforced are for the best interests of all students.

From 8 a.m. till 4 p.m. students are busy with their school work. From 4 to 6 p.m. is a recreation period in which students' time is at their own disposal. After 7:30 p.m. students are expected to be in their rooms and to be quiet so that all may study undisturbed. Students are permitted to leave the campus only upon permission of the Preceptor or Preceptress.

The use of profanity, tobacco, and spirituous liquors of all kinds is strictly forbidden. Anyone not in accord with these restrictions and not willing to lend a hand toward strong, moral growth should not come to the School of Agriculture.

Students who break any of the rules of dormitory conduct will be subject to a fine which will be charged against their deposit fee. The system of fines will be announced at the first house-meeting at the beginning of the school year. Continued infraction of dormitory rules will mean dismissal from the dormitories.

BUILDINGS AND EQUIPMENT

The institution now has nine brick buildings: the Girls' Dormitory with facilities for 75 girls; the Boys' Dormitory with equal accommodations; Music Hall with two studios and numerous practice rooms;

Home Economics Building with sewing laboratory, cooking laboratory, kitchen, dining-room, pantry, and three lecture rooms; Agronomy Building with farm crops laboratory, chemistry laboratory, and four lecture rooms; Engineering Building with wood shop, forge shop, farm mechanics laboratory, drafting-room, and three lecture rooms; Stock Judging Pavilion and dairy laboratory; Dining-Hall and Gymnasium with large modern dining-room and gymnasium; all laboratories and shops are fully equipped, making possible the best of instruction.

The seven farm buildings give ample housing facilities for the herds, flocks, and farm equipment, which are available for student use.

ASSEMBLY PERIOD

An assembly period is held each morning throughout the school year. Students are required to attend these assembly exercises. A short religious service opens this chapel period, and is followed by special music or speaking. It is the purpose of the School to secure prominent speakers to address the student body at these morning exercises. The assembly period is also used as a forum for public discussion of the many questions and announcements of importance to the student body. The various societies and organizations also use this period for the promotion of their work.

HOLIDAYS

Lincoln's and Washington's birthdays will be appropriately observed. On Thanksgiving day no classes will be held, but school will continue as usual on the Friday and Saturday following.

ORGANIZATIONS AND PUBLICATIONS

Students' Literary Societies

Students are urged to join a literary society. These societies offer pleasure as well as profit. They afford a training in conducting meetings, parliamentary law, and public speaking obtainable in no other way.

The following societies hold regular weekly meetings during the school year: the Vincent Literary Society, the Agricolae Literary Society, the Ceres Club.

An interesting debate cup for the promotion of interest in civic and political questions has been offered by the Superintendent.

Students' Christian Associations

The Young Men's and Young Women's Christian Associations are voluntary organizations which have for their objects the maintenance of a positive moral and religious atmosphere and the development of complete Christian manhood and womanhood,—physical, intellectual, social, and spiritual. These Associations carry on various lines of activity. A general reception is given at the beginning of each term. Each Sunday morning special Bible classes are conducted, and at 6:15 each Sunday evening a joint service is conducted by both organizations.

It is expected that the Catholic students will be organized into an association beginning with the year 1919-20.

Musical Organizations

Boys' and Girls' Glee Clubs are organized and trained throughout the school year. These clubs appear at various school functions.

Band and orchestra organizations have been perfected during the last year. Credit will be given for membership and regular attendance at practices and entertainments.

Moccasin

The *Moccasin* is an annual published by the senior class of the School. The book gives an outline of all school and class activities; is fully illustrated and contains in addition to brief articles of student interest, a complete record of the development and growth of the institution.

West Central School News

The *West Central School News* is a quarterly published by the Faculty of the School. It serves as a community publication, and is a medium by which former students and alumni are kept in touch with one another and with the School. It is also published to disseminate useful information and results of Station work among its readers.

STUDENT LOAN FUNDS

The Gilfillan Trust Fund

This fund of \$50,000 is the gift of the Honorable John B. Gilfillan, of Minneapolis, in trust to the University of Minnesota, the annual income from which shall be at the disposal of the Executive Committee of its Board of Regents either as a gift or a temporary loan to worthy students of the University who are residents of Minnesota. The annual income from the fund is \$2,000, which is loaned to students on their notes in amounts not exceeding \$200 to any one person in one year, at the rate of 5 per cent per annum.

This fund may be used by students of the West Central School of Agriculture in accordance with the action of the Board of Regents taken September 26, 1916. The regulations governing the administration of the income from the fund may be learned by addressing the Superintendent of the West Central School of Agriculture, Morris, Minnesota.

INTERSCHOLASTIC ACTIVITIES

Each year the School is represented by two debating teams which debate similar institutions.

In athletics the School is represented by both football and basketball teams. These teams schedule games with the high schools of this section.

LECTURE COURSE

During the school year a lecture and entertainment course, consisting of four or five numbers, is given at the cost of \$1 for the series. These entertainments are strictly high grade and furnish a pleasant relaxation from regular school work.

LIBRARY

The library is well equipped to supply the needs of the students. A large number of books has been selected to meet the requirements of the various departments. These, with the Government and Station reports, are available for use by instructors and students.

The Librarian is always ready to give whatever assistance she can in directing students in the selection of the books they may need in the pursuit of their work.

EXPERIMENT STATION

The West Central School and Station is now conducting extensive experiments in agronomy, soils, horticulture, animal husbandry, and agricultural engineering. Beginning with 1915 a special report has been issued each year describing the progress of the work.

SCHOOL FARM

The farm comprises approximately 400 acres and furnishes an extensive laboratory for the work of the School. Information concerning the methods employed on the farm is always available to the students. The classroom work is supplemented with actual practice either in the field or with crops grown upon the farm.

STATION FLOCKS AND HERDS

The School now maintains an abundance of livestock, all of which is used for student work in the Animal Husbandry Department. Pure-bred Holstein, Guernsey, Shorthorn, and Angus cattle; grade and pure-bred Percheron horses; Shropshire sheep; Duroc Jersey hogs; White Leghorn and Barred Plymouth Rock chickens are maintained for Station and School purposes. These furnish excellent opportunities for students to study intelligently the various courses in animal husbandry.

COURSES

Long Courses

The regular courses cover a period of three sessions of six months each, beginning in October and closing in March. The long course for young men is so arranged as to make it possible for a student to select a large portion of his work in any one of the three lines: agronomy, animal husbandry, or agricultural engineering. The long course for young women permits of special training in home management, dress-making, teaching, music, home nursing, public speaking, business training, etc. Both young men and young women may receive credit in music in

connection with any of the courses. They may also choose academic subjects in the third and fourth years, preparatory to college entrance. The main emphasis of the institution is given to its long courses, and all are urged to complete the three sessions.

ADVANCED COURSES

It has been found that the eighteen months of the long course is a very short time in which to give all of the work that should be included in a satisfactory course. Therefore a fourth six months of work is offered. During this fourth session, graduates of the long course may elect to specialize in one of the lines of work listed below. They may at the same time choose from the elective lists subjects that they could not obtain during their first three sessions. The major lines of work suggested for boys are dairying, beef production, farm engineering, carpentry, advanced farm management, and academic subjects. The major lines for girls are dressmaking, advanced home management, nursing, music, and business training.

COLLEGE PREPARATORY

Graduates of the West Central School of Agriculture who have completed two summers of supervised work on their home farms, one additional school year of six months and one additional summer's work or the equivalent thereof, will be admitted to the College of Agriculture, Forestry, and Home Economics of the University of Minnesota.

DEPARTMENT OF MUSIC

For those who are interested, credit courses in piano instruction are offered. Ten half-hour and ten group lessons per term are given with special time for practice. Fees of \$7 per term for the lessons and \$2.50 per term for piano rental are charged. Special rooms are set aside for practice, making it possible to do good, thoro work. A class in musical theory meets once a week, and instruction is also given in the history of music, ear training, and the rudiments of harmony.

HOME PROJECT WORK

For the last several years students have done some home project work. In 1918 this work was definitely organized and placed on a credit basis. The purpose of this work is to promote and extend the technical work given in the classrooms and laboratories during the regular school sessions. The approved methods of agricultural practice are applied to some branch of the farm which the project is designed to cover. Reports are required throughout the season and the work is at all times in charge of supervisors who make numerous visits to each student.

The projects for boys include sheep management, management of the dairy herd, corn growing, alfalfa growing, potato growing, fertilizer tests, forage crops, orchard management, and farm accounts. For girls the projects include canning, bread baking, millinery, sewing, home accounts, home decoration, poultry, gardening, and music.

FARMERS' SHORT COURSE

The Annual Farmers' Short Course will be held during the third week in February, 1920. This course, lasting one week, is designed for mature farmers who can not leave their farms for a longer time. The days are given over to practical discussions and demonstrations of the problems of the farm. The subjects of livestock feeding and management, dairy production, farm crops, soils, horticulture, farm management, and farm engineering will be discussed by men of experience who are recognized as authorities on these subjects.

A special circular will be issued in January giving full particulars and the complete program.

JUNIOR SHORT COURSE

During the week following the close of the regular school session, will be held the seventh Annual Junior Short Course, April 6 to 10. This course is open to all boys and girls from 12 to 18 years old. A charge of \$3 covers all expenses, including board and room for the entire week. Boys are given work in the machine shops, forge and wood-work shops, farm crops laboratories, and stock-judging pavilion. The girls are given work in sewing, cooking, and home nursing. At the close of the week, contests in corn and stock judging will be held for the boys and the winner of each contest will be given a free trip to the 1920 Minnesota State Fair. For the girls, contests in bread making and canning are held, with scholarships to the School of Agriculture as prizes. Special instruction will be given in all boys' and girls' club projects. Games, music, entertainments, and a special Junior Short Course party will make the entire week one of great interest to all those who attend. Special moving picture entertainments are given free each evening. A special circular describing this short course will be ready for distribution in February, 1920.

SHORT COURSE FOR FARM WOMEN

An annual short course for farm women is held during the third week in June. The main object of this course is to provide a few days of rest and recreation for the women of the farms in west central Minnesota. Talks, lectures, and demonstrations along lines of interest to farm women will fill in part of the day. The large dormitory and dining-hall will provide ample living accommodations, and part of each day will be given to rest and recreation. The fee for the entire course, including room and board, is \$4. This course is offered June 16 to 19, 1920.

TEACHERS' TRAINING SCHOOL

A State Teachers' Training School organized by the Department of Education and conducted under its supervision will be held at the West Central School of Agriculture from June 21 to July 31, 1920. The Faculty who will offer the technical work, will be made up from the

staff of the School, and a corps of instructors from the State Department will offer the usual summer courses. The buildings, equipment, and library of the School are available for all teachers who attend.

The purpose of the School is first, to afford academic instruction in the subjects required for common-school certificates, first and second class; second, to offer instruction and professional training in such special subjects as will entitle teachers to receive a first-class certificate or one of higher rank; third, to give instruction in agriculture, manual training, and home training, as now required of teachers of these subjects in consolidated schools. The special circular describing the summer session may be had by addressing the Superintendent, West Central School of Agriculture, Morris, Minnesota.

COURSES OF STUDY

Figures following the names of courses indicate the number of credit hours.

One credit hour is equivalent to one class period devoted to recitation or lecture, or to two such periods devoted to laboratory work.

A class period is 45 minutes and a laboratory period is 90 minutes.

For description of the following courses see pages 20-29.

See page 30 for statement with reference to credit for home project work.

COURSE FOR BOYS

FRESHMAN YEAR

Required—first term	{	English I, 5
		Farm Accounts, 5
		Spelling, 1
		Corn Growing, 5
		Types and Breeds, 5
		Milk Testing, 1
		Carpentry I, 2
		Blacksmithing I, 2
Required—second term	{	Gymnasium, 1
		English II, 5
		Anatomy and Hygiene, 5
		Carpentry II, 2
		Blacksmithing II, 2
		Stock Judging I, 1
		Penmanship, 1
		Gymnasium, 1
Eight credit hours must be chosen from this group during second term, fresh- man year	{	Cereal Crops, 5
		Industrial Geography, 5
		Gas Tractors, 6
		Steam Tractors, 6
		Electricity, 2
		Gas Engines, 3
		Piano, 2
		Violin, 2

JUNIOR YEAR

Required—first term	{	English III, 5
		Chemistry, 5
		Gymnasium, 1
Required—second term	{	English IV, 5
		Agricultural Physics, 5
		Gymnasium, 1

Subjects must be selected from this group or from electives not taken in freshman year to make a total of 25 credit hours with the required subjects, for each term.

General History I, 5	}	First term only
Bookkeeping I, 5		
Algebra I, 5		
Garden and Orchard, 3		
Grain Judging, 3		
Cement Construction, 1		
Drainage, 5		
Mechanical Drawing, 3		
Stock Judging II, 1		
Poultry, 3		
Beef Production, 3		
Piano, 2	}	May be taken either term
Violin, 2		
Orchestra, 1		
Band, 1		
Glee Club, $\frac{1}{2}$	}	Second term only
Public Speaking, 3		
Bookkeeping I-II, 5		
Algebra II, 5		
General History II, 5		
Forage Crops, 3		
Commercial Seed Production, 3		
Farm Structures I, 3		
Rural Sanitation, 3		
Stock Judging III, 1	}	May be taken either term
Feeds and Feeding, 5		
Dairy Production, 3		

SENIOR YEAR

Required—first term	English V, 5	{	
	Farm Management, 5		
	United States History, 5		
	Gymnasium, 1		
Required—second term	English VI, 5	{	
	Farm Records and Accounts, 2		
	Government, 5		
	Gymnasium, 1		
Subjects must be selected from this group or from electives not taken in freshman or junior years to make a total of 25 credit hours with the required subjects for each term.	Geometry I, 5	{	First term only
	Farm Structures II, 3		
	Stock Judging IV, 1		
	Animal Breeding, 3		
	Geometry II, 5	{	Second term only
	Botany, 5		
	Soils, 5		
	Farm Mechanics, 5		
	Animal Diseases, 3	{	May be taken either term
	Piano, 2		
	Violin, 2		
	Band, 1		
	Orchestra, 1	{	
	Glee Club, $\frac{1}{2}$		

Two credits shall be allowed for participation in the senior class play. Two credits shall be allowed for participation in an interscholastic debate. One credit shall be allowed for membership in an interscholastic

athletic team and such members will be excused from gymnasium classes. Not more than seven special credits, including credits for play, debate, and musical organizations, shall count towards graduation.

COURSE FOR GIRLS

FRESHMAN YEAR

Required—first term	{	English I, 5	
		Garment Making I, 4	
	{	Foods and Cookery I, 3	
		Drawing and Design I, 1	
	{	Gymnasium, 1	
Required—second term	{	English II, 5	
		Garment Making II, 3	
	{	Foods and Cookery II, 4	
		Drawing and Design II, 1	
	{	Gymnasium, 1	
Eleven to fourteen credit hours must be chosen from this group each term.	{	Spelling, 1	} May be taken either term
		Piano, 2	
		Penmanship, 1	
		General Science, 5	
		Commercial Geography, 5	
		Home Accounts, 5	
	{	Nursing I, 5	} Must be taken both terms
		Glee Club, $\frac{1}{2}$	
	{	Spelling and Penmanship, 5	} Must be taken both terms
		Typewriting, 2	

JUNIOR YEAR

Required—first term	{	English III, 5	
		Dressmaking I, 2	
	{	Food Preservation, 3	
		General History I, 5	
	{	Gymnasium, 1	
Required—second term	{	English IV, 5	
		Dressmaking II, 2	
	{	Dietetics, 3	
		General History II, 5	
	{	Gymnasium, 1	
Nine to twelve credit hours must be chosen from this group each term or from electives not taken in freshman year.	{	Algebra I, 5	} First term only
		Bookkeeping I, 5	
		Shorthand I, 5	
		Typewriting, 2	
		Chemistry I, 5	
	{	Algebra II, 5	} Second term only
		Bookkeeping I-II, 5	
		Shorthand II, 5	
		Typewriting, 2	
		Chemistry II, 5	
	{	House Planning, and Decoration, 3	} Either term
		Public Speaking, 3	
		Nursing II, 5	
		Piano, 2	
	{	Glee Club, $\frac{1}{2}$	

SENIOR YEAR			
Required—first term	{	English V, 5	
		Dressmaking III, 2	
		Home Management I, 3	
		United States History, 5	
		Gymnasium, 1	
Required—second term	{	English VI, 5	
		Dressmaking IV, 2	
		Home Management II, 3	
		Government, 5	
		Gymnasium, 1	
Nine to twelve credit hours from this group or from electives not taken in the junior year.	{	Geometry, 5	First term only
		Chemistry, 5	
		Algebra, 5	
		Bookkeeping I, 5	
		Dictation I, 2	
	{	Business Training I, 5	Second term only
		Chemistry II, 5	
		Algebra II, 5	
		Geometry II, 5	
		Bookkeeping I-II, 5	
	{	Dictation II, 2	Either term
		Business Training II, 5	
		Millinery and Art Needle- work, 3	
		Public Speaking, 3	
		Piano, 2	
	{	Nursing III, 5	
		Glee Club, $\frac{1}{2}$	

Through their choice of electives, girls may prepare themselves for one of several lines of work. At the time of registration, girls will be advised how to choose their work so that it will prepare for the future work which they desire. They may prepare for business positions, for normal training work, for college entrance, or for nurses' training. A carefully planned course in Home Economics is the foundation of all the courses for girls.

DESCRIPTION OF COURSES

AGRONOMY AND FARM MANAGEMENT

CORN GROWING. A study of the corn plant; its botanical structure, relation to soil and climate; selection and testing; soil preparation; harvesting; diseases; silage, varieties and corn judging, supplemented with laboratory practice. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits; fee, 50 cents.

GRAIN GROWING. A study of the principal cereal crops. Seed selection; soil and cultural requirements; harvesting. Classroom work supplemented with laboratory practice. Rec. 3 hrs.; Lab. 2, 2 hrs.; fee, 50 cents.

CORN AND GRAIN JUDGING. Score card practice, commercial grading and judging work with the object in view of making the student proficient in the judging and growing of pure-bred seed. Lab. 2, 2 hrs.; 2 credits; fee, \$1.

FORAGE CROPS. A study of the leguminous crops, clover, alfalfa, etc., pastures and meadows, and the annual forage crops. Cultural requirements of forage crops and their importance on the farm. Rec. 2 hrs.; Lab. 2, 2 hrs.; 4 credits; fee, 50 cents.

COMMERCIAL SEED PRODUCTION. The breeding and growing of pure-bred seed corn and grain upon the farm, and the best methods of marketing these products. Lab. 2, 2 hrs.; 2 credits; fee, 50 cents.

SOILS. This course is applied to the needs of western Minnesota. Soil formation; soil types, soil physics, soil chemistry, soil tillage, and the use of fertilizers are given chief attention. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits; fee, \$1.

FARM MANAGEMENT I. The management of the land, labor, and capital in their relation to the farm business. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits.

FARM MANAGEMENT II. A study of farm accounts. The student keeps a practical set of books on the year's work, from the taking of the inventory to closing the accounts at the end of the year. Lab. 2, 2 hrs.; 2 credits.

ADVANCED STUDIES IN FARM MANAGEMENT. Advanced work in some of the more important problems of farm management, including farm labor, cost of production, marketing, and similar subjects. Rec. 1 hr.; Lab. 4, 2 hrs.; 5 credits.

GARDEN AND ORCHARD. The planning, planting, culture, value, and management of the orchard and garden upon the general farm. Rec. 2 hrs.; Lab. 1, 2 hrs.; 3 credits.

BOTANY. The principles of elementary botany. Intended for students who may wish to use the credit for college entrance. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits.

ANIMAL AND DAIRY HUSBANDRY

TYPES AND BREEDS. The study of the history, development, characteristics, and adaptability of the various breeds of horses, cattle, sheep, and swine. Rec. 5 hrs.; 5 credits.

MILK TESTING. Principles of milk testing. The students are given a practical working knowledge of herd testing and record work. Lab. 1, 2 hrs.; 1 credit; fee, 50 cents.

STOCK JUDGING I. The study and practice in the use of the score card, showing the relation of the body structure to economical production. Lab. 1, 2 hrs.; 1 credit.

STOCK JUDGING II. Competitive and comparative judging of all classes of livestock. Lab. 1, 2 hrs.; 1 credit.

STOCK JUDGING III. A continuation of Stock Judging II. Lab. 1, 2 hrs.; 1 credit.

STOCK JUDGING IV. A continuation of Stock Judging III. Lab. 1, 2 hrs.; 1 credit.

FEEDS AND FEEDING. The general composition of the animal body; the composition and digestibility of foods; feeding standards; methods of feeding. Rec. 5 hrs.; 5 credits.

ANIMAL BREEDING. The theory and practice of animal breeding, including variation, heredity, selection, effect of pure-bred animals in improving types of stock, and pedigrees. Rec. 3 hrs.; 3 credits.

ANIMAL DISEASES. The causes, prevention, and cure of animal diseases, including emergency treatment. Rec. 3 hrs.; 3 credits.

BEEF PRODUCTION. The production of beef cattle, both pure-bred and market stock, including from a practical standpoint, feeding and management of the herd, the selection of breeding stock, and the arrangement of buildings and yards. Rec. 2 hrs.; Lab. 1, 2 hrs.; 3 credits.

POULTRY. Practical instruction in the breeding and care of poultry for general farm use. Rec. 3 hrs.; 3 credits.

DAIRY PRODUCTION. An advanced course designed to fit a student for the successful management of a dairy herd. Rec. 2 hrs.; Lab. 1, 2 hrs.; 3 credits.

AGRICULTURAL ENGINEERING

WOOD WORK I. Carpentry: care, use, and sharpening of tools; laying off work; making of joints and framing, and work designed to be especially helpful in planning, framing, and construction of farm buildings. Lab. 2, 2 hrs.; 2 credits; fee, \$1.25.

WOOD WORK II. Continuation of Course A. Lab. 2, 2 hrs.; 2 credits; fee, \$1.25.

FORGE WORK I. Blacksmithing: forging, and welding of iron and steel, making and tempering hand tools. Work designed to be especially helpful in the repair and operation of machinery. Lab. 2, 2 hrs.; 2 credits; fee, \$1.50.

FORGE WORK II. Continuation of Forge Work I. Lab. 2, 2 hrs.; 2 credits; fee, \$1.50.

MECHANICAL DRAWING I. The use of drawing instruments, lettering, and the making of working drawings. Lab. 3, 2 hrs.; 3 credits.

MECHANICAL DRAWING II. A continuation of Mechanical Drawing I. Practice in designing, in isometric drawing, and projection. Drawings are made from parts of such machines as gas engines and cream separators. Lab. 3, 2 hrs.; 3 credits.

DRAINAGE AND SURVEYING. Practice with level and chain; work in leveling, ditching, locating, laying tile, running lines, figuring areas, staking out buildings, mapping, and estimating costs. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits.

FARM STRUCTURES I. The design, location, and erection of farm buildings; study of proper pitches; roof trusses, barn frames; estimates of costs. Working models are made in the shop from these plans. Lab. 3, 2 hrs.; 3 credits.

FARM STRUCTURES II. A continuation of Farm Structures I. Designing of buildings needed on the home farm, and the working out of a general plan that will meet the builder's requirements. Lab. 3, 2 hrs.; 3 credits.

RURAL SANITATION. The lighting, heating, and ventilation of farm buildings; a study of lighting systems; plumbing; systems of water supply and sewage disposal. Rec. 3 hrs.; 3 credits.

CEMENT CONSTRUCTION. Properties of sand, gravel, cement, and concrete. Practice in proportioning and mixing concrete; in making concrete blocks and fence posts, and in designing foundations. Lab. 1, 2 hrs.; 1 credit; fee, \$1.

GAS ENGINES. Development, existing types, theory and practice of operation, adjustment, repair, and utility of the internal combustion

engine. Practice in valve and ignition timing, in valve grinding, and the adjustment of bearings. Rec. 1 hr.; Lab. 2, 2 hrs.; 3 credits; fee, \$1.50.

GAS TRACTORS. A course including a study of the construction, repair, and operation of the traction engine. Rec. 3 hrs.; Lab. 3, 2 hrs.; 6 credits; fee, \$1.

STEAM TRACTORS. A study of the construction, operation, and repair of the steam traction engine. The course leads to the state examinations for engineer's license. Rec. 3 hrs.; Lab. 3, 2 hrs.; 6 credits; fee, \$1.

ELECTRICITY. A study of electricity with reference to its use on the farm, including lighting and power plants, magnetos, dynamos, and motors. Rec. 1 hr.; Lab. 1, 2 hrs.; 2 credits; fee, 50 cents.

FARM MECHANICS. Farm machinery and farm motors. Selection, use, and care of tilling, seeding, harvesting, threshing, and fertilizing machinery. Work is given with pumping and grinding machinery; transmission of power, grading machinery, etc. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits; fee, \$1.25.

ADVANCED CARPENTRY. Preparation aiming to bring together in applied way earlier elements of course, with such topics as designing and estimating. Final credit dependent upon eight months of actual work under approved carpenter. Lab. as arranged.

ENGLISH

ENGLISH I. Reading, spelling, and a brief review of the principles of grammar. Considerable time is devoted to oral reports. Short written themes required. Rec. 5 hrs.; 5 credits.

ENGLISH II. Continuation of English I. Letter writing in connection with simple sentence and paragraph structure. Several selections are memorized. Rec. 5 hrs.; 5 credits.

ENGLISH III. Letter writing and spelling continued. Standard books and selections of interest are read. The outline is used extensively in oral and written work. Rec. 5 hrs.; 5 credits.

ENGLISH IV. A continuation of English III. Rec. 5 hrs.; 5 credits.

ENGLISH V. Advanced work in written composition of a narrative type. An appreciation of good literature is cultivated by extensive reading. Rec. 5 hrs.; 5 credits.

ENGLISH VI. Reading and advanced composition of descriptive, expository, and argumentative types continued. The derivation, usage, and meaning of words. Rec. 5 hrs.; 5 credits.

ENGLISH VII. English literature. The history of English literature with readings from masterpieces. Rec. 5 hrs.; 5 credits.

ENGLISH VIII. English literature. Continuation of English VII. Rec. 5 hrs.; 5 credits.

ENGLISH IX. Public speaking for boys. Drill in voice exercise, platform deportment, and memorized selections for expression; extemporaneous speaking, and debate. Rec. 3 hrs.; 3 credits.

ENGLISH X. Public speaking for girls. Drill in voice exercise, platform deportment, and memorized selections for expression. Students are trained to present readings before the public. Rec. 3 hrs.; 3 credits.

MATHEMATICS

FARM ACCOUNTS. For boys. Ledger account forms. Drill is given in rapid calculation and accuracy. Application of the keeping of accounts to farm operations. Rec. 5 hrs.; 5 credits.

HOME ACCOUNTS. For girls. Similar to farm accounts for boys except that application is made to home instead of farm work. Rec. 5 hrs.; 5 credits.

ALGEBRA I. Designed to cover the usual first year academic credit work in elementary algebra. Rec. 5 hrs.; 5 credits.

ALGEBRA II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

PLANE GEOMETRY I. Planned to cover usual academic course in plane geometry. Rec. 5 hrs.; 5 credits.

PLANE GEOMETRY II. Completion of Plane Geometry I. Rec. 5 hrs.; 5 credits.

BOOKKEEPING I. Purposes of accounts and principles of account classification; capital and revenue; accruals; principles of valuation; depreciation; preparation and interpretation of balance sheets, income accounts and other business statements. Rec. 5 hrs.; 5 credits.

BOOKKEEPING II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

PHYSICAL TRAINING

ANATOMY-HYGIENE (FOR BOYS). Comparative anatomy and human hygiene. An introduction to the later animal husbandry course and a preparation for the care of the health. Rec. 5 hrs.; 5 credits.

GYMNASIUM (GIRLS). All students will be required to take gymnasium work during their entire residence at the School. Girls will be organized into classes for exercises, folk dances, and games. 1 credit.

GYMNASIUM (BOYS). Credit will be allowed to boys for membership on School teams, and participation in special lines of gymnasium work which they will be allowed to elect. 1 credit.

SOCIAL SCIENCE

COMMERCIAL GEOGRAPHY. Designed to give the student a view of the broad relation of geography to commerce. Rec. 5 hrs.; 5 credits.

GENERAL HISTORY I. This course is designed to give the student a general outlook upon civilization in the making, and to show what nations and men have helped civilization in its onward course. Rec. 5 hrs.; 5 credits.

GENERAL HISTORY II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

AMERICAN HISTORY. This course is designed to present in a clear, concise, and connected manner the main events in the history of the American people. Rec. 5 hrs.; 5 credits.

GOVERNMENT AND LAW. Local, state, and national governmental forms and practices. A brief study of common contracts, deeds, mortgages, line fences, etc. Rec. 5 hrs.; 5 credits.

PHYSICS

AGRICULTURAL PHYSICS. A simple and practical course in Physics. The work includes the mechanics of solids, fluids, heat, and sound with a few assignments from the subjects of light and electricity. Rec. 5 hrs.; 5 credits.

CHEMISTRY

GENERAL CHEMISTRY. A general introductory course in chemistry treating of the fundamental principles necessary for an understanding of common daily phenomena. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits.

FOOD AND HOUSEHOLD CHEMISTRY. Application of general principles of chemistry to food and its uses and to household problems such as textiles, dyeing, soaps and other cleansing agents. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits; fee, \$1.50.

AGRICULTURAL CHEMISTRY. A general introductory course preparatory for later work in agronomy and animal husbandry. Rec. 3 hrs.; Lab. 2, 2 hrs.; 5 credits; fee, \$1.50.

HOME ECONOMICS

DOMESTIC ART

GARMENT MAKING I. A cooking outfit, including holder, towel and aprons and a suit of underwear are made. Various kinds of material and

their wearing qualities, simple decorative trimmings and the cost of the finished garments are discussed. Lab. 4, 2 hrs.; 4 credits.

GARMENT MAKING II. This course consists in the study of cotton and linen dress fabrics and the processes involved in making simple dresses. Two uniform house dresses and a black petticoat or a middy are made. Lab. 3, 2 hrs.; 3 credits.

DRAWING AND DESIGN I. Principles of design and color harmony with emphasis upon design as expressed in clothing, house furnishing, and articles in common use. Lab. 1, 2 hrs.; 1 credit.

DRAWING AND DESIGN II. Continuation of Drawing and Design I. Lab. 1, 2 hrs.; 1 credit.

DRESSMAKING I. Two uniform house dresses and a shirt waist are made during this course. Lab. 2, 2 hrs.; 2 credits.

DRESSMAKING II. A sport suit and a light summer dress are made during this course. Lab. 2, 2 hrs.; 2 credits.

DRESSMAKING III. A silk or wool dress is made in this course. Materials are purchased under direction of the instructor. Lab. 2, 2 hrs.; 2 credits.

DRESSMAKING IV. An inexpensive graduation dress is designed and made. Materials are purchased under direction of the instructor. Lab. 2, 2 hrs.; 2 credits.

HOUSE PLANNING AND DECORATION. Location of farm buildings, types of farm dwellings, study of house plans, choice of site, exposure, plumbing, heating, interior finish, walls, floors, furniture, curtains, pictures. Rec. 1 hr.; Lab. 2, 2 hrs.; 3 credits.

TEXTILES. Standard fabrics and textile fibers; tests for adulterations in fabrics; clothing in relation to health; the clothing budget. Rec. 5 hrs.; 5 credits.

MILLINERY AND ART NEEDLEWORK. (a) Design and color harmony in hats, alterations of frames; making and trimming simple hats. (b) Color combinations, and making designs for embroidery and stenciling. Lab. 3, 2 hrs.; 3 credits.

DOMESTIC SCIENCE

FOODS AND COOKERY I. Digestion and absorption of food, disposal of wastes, classification of foods, and a study of the scientific principles underlying the cooking of carbohydrates. Lab. 3, 2 hrs.; 3 credits; fee, \$1.

FOODS AND COOKERY II. Continuation of Course I including the study of batters and doughs including popovers, griddle cakes, muffins,

quick breads, cake, puddings, pies, and bread. Lab. 4, 2 hrs.; 4 credits; fee, \$1.

FOOD PRESERVATION. Study of bacteria, yeasts, molds; canning, jelly making, use of preservatives, cold storage. Rec. 1, Lab. 2, 2 hrs.; 3 credits; fee, \$1.50.

DIETETICS. Study of needs of the body, planning of dietaries, menus, serving, meal planning, and the actual serving of meals in small groups. Rec. 1, Lab. 2, 2 hrs.; 3 credits; fee, \$1.50.

HOME MANAGEMENT I. Review of foods and cookery problems applied to more advanced cookery. Special emphasis on economy of time and labor and the establishing of a high standard. Rec. 1, Lab. 2, 2 hrs.; 3 credits; fee, \$1.50.

HOME MANAGEMENT II. Study of dietaries, problems in management, and the actual management of the home management dining-room and kitchen. Rec. 1, Lab. 2, 2 hrs.; fee, 50 cents.

HOME NURSING

HOME NURSING I. Structures and functions of the human body; personal hygiene, bed making, bandaging. Rec. 5, 5 credits.

HOME NURSING II. Communicable diseases; home-nursing equipment; hygienic requirements during infancy, childhood, womanhood, maturity; care of infants. Rec. 5; 5 credits.

HOME NURSING III. Study of diseases and medicines. Rec. 5; 5 credits.

MUSIC

PIANO I. Exercises for hand position and rhythm; two-, three-, and five-finger exercises; major scales. Studies: Gurlitt, *Technic and Melody*; Tapper, *First Piano Book*, or *Graded Studies*, Grade I. Solos: Tapper, Sartorio, etc. 2 credits; fee, \$9.50.

PIANO II. Exercises for hand and arm control; thumb exercises, major scales, transposition of five-finger exercises, two- and three-finger exercises. Studies: Streabbog's *Twelve Very Easy Studies*, Czerny's *Anthology*, Vol. 1. Solos: *Graded Pieces*, Grade II. 2 credits; fee, \$9.50.

PIANO III. Scales with different rhythms, one and two notes, 80 mm.; broken chords. Studies: Concone's *Twenty-four Melodious Studies*; Tapper's *Graded Studies*, Grade III; Czerny's *Anthology*, Vol. II. Solos: Beethoven, Heller, etc. 2 credits; fee, \$9.50.

PIANO IV. Scales with different touches, one, two, three, and four notes, 80 mm.; Herz exercises, arpeggios; block chords with pressure

and drop arm. Foote, first-year Bach; Czerny; wrist and forearm studies. Solos: Grade III; Mozart; Sonatinas. 2 credits; fee, \$9.50.

PIANO V. Lynne's *Key Circle Exercises*, Book I; Heller, *Opus 47*; first-year Bach. Solos: easy sonatas by Haydn and Mozart. *Graded Pieces*, Grades III and IV, Tapper, *Graded Pieces* III. 2 credits; fee, \$9.50.

PIANO VI. Studies: Schmitt finger exercises; major and minor scales, hands separate, legato and staccato in varied rhythms; octave studies. Solos: Pieces by Schumann, Mendelssohn, Jenson, etc. Easier Beethoven works. 2 credits; fee, \$9.50.

VIOLIN MUSIC

The violin instruction will comprise the correct principles of violin playing. Solo playing will be encouraged and a class in orchestra playing will be a part of the regular study of violin pupils.

Registration for violin lessons will be regulated by the rules governing all musical instruction given at the School.

BAND INSTRUMENTS

Instruction in the various instruments, such as cornet, clarinet, trombone, etc., will be given.

BUSINESS

SPELLING. Students are required to secure one credit in spelling. Rec. 2 hrs.; 1 credit.

PENMANSHIP. Students are required to secure one credit in penmanship. Rec. 2 hrs.; 1 credit.

SPELLING AND PENMANSHIP I. Daily drill and individual instruction in penmanship; daily drill in spelling, the use and meaning of words and rules for spelling. Rec. 5 hrs.; 5 credits.

SPELLING AND PENMANSHIP II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

TYPEWRITING. Taught throughout the course. Provides individual instruction in the use of the machine. Memorization of the key board and graded lessons are used. Each lesson must be done correctly before the student is advanced. 2-5 credits; fee, \$3.

SHORTHAND I. Gregg system supplemented with speed studies is used. Rec. 5 hrs.; 5 credits.

SHORTHAND II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

DICTATION I. When students are capable of taking ordinary dictation and transcribing their notes on the typewriter, they are given office work to do and thus gain experience while still at school. Lab. 2, 2 hrs.; 2 credits.

DICTATION II. Continuation of Course I. Lab. 2, 2 hrs.; 2 credits.

BUSINESS TRAINING I. Duplicating and mimeograph, filing and indexing, business ethics. Rec. 5 hrs.; 5 credits.

BUSINESS TRAINING II. Continuation of Course I. Rec. 5 hrs.; 5 credits.

HOME PROJECT WORK

Five credits in home project work are required for graduation, and ten such credits will be allowed. All students registered for this work are supplied with a complete file covering the prosecution of each project. This file includes the following sub-divisions:

Project agreement: This is a contract entered into between the student, his father, and the instructor under whose direction the project is being carried out. The following agreement is required from all students who register for home project work:

WEST CENTRAL SCHOOL OF AGRICULTURE HOME PROJECT AGREEMENT

I,, agree to permit
(name of parent)
.....to carry out a.....project
according to the plan submitted; to furnish.....
.....
in addition to time required; to allow him to participate in the profits and to check
up time records and to vouch for the same.

I,agree to carry out all
(name of pupil)
the details of the project, to follow instructions of the Agricultural Instructor, to
record and report truthfully upon all items of labor, cost, and income, and to write
a final report of the whole project to be filed in records of the School.

I,agree to assist the
(name of teacher)
pupil to obtain all information needed; to render adequate supervision through visita-
tion, correspondence, and monthly reports during the time covered by the project;
to accept the work when completed as part of the regular school work and grant
credit therefor toward graduation, according to the indication on the introductory
sheet of this project.

This agreement entered into this.....day of.....19...
.....Parent
.....Pupil
.....Instructor

Outline of project: This is a review of the entire project. It contains the purpose, plan of procedure, etc. It tells how to proceed with the particular project and outlines the work.

General information: This section includes the necessary information which the student should have to carry on the project. In most cases it is a brief summary of previous work covered in the classroom in some of the regular school courses.

Accounts: Students are required to keep careful and accurate records of all accounts and in order to do this the record must be made the day the purchase or sale is made or the particular work is completed. A labor record or cash record should be kept on the proper forms provided in each project.

Reports: Complete reports covering the progress of the work done upon all projects will be required from time to time during the summer. Proper forms are provided for these reports. The grade and credit which is given for home project work will depend upon the character of these reports and the care and promptness with which they are made.

Bulletins: The bulletins for each project are included with the project file and are for supplementary study as required during the term of the project.

Financial statement: This is a final report on the project. Students will be required to prepare a history of their project from the data they have recorded in their various reports. The complete financial statement made out on the proper forms will be included in this final report of the project.

COURSES IN HOME PROJECT WORK

PROJECT: FRUIT GROWING; CREDITS, 3.

Department: Horticulture; Supervisor, J. A. Anderson.

Purpose: To teach the practical application of the principles of successful fruit growing as taught in the classroom of the West Central School of Agriculture.

Plan of procedure: The student should take over the entire management of the orchard for one season, doing as much of the actual work connected with it as possible. It involves the cultivating, mulching, spraying, pruning, thinning of fruit if necessary, picking, and storing of fruit. The orchard must be managed to the best of the student's ability and in keeping with the most approved methods as taught in the class work of the West Central School of Agriculture.

Reports: Reports must be made in duplicate. The original to be sent back to the School and the copy retained in this binder. The reports should be sent in immediately when called for by the supervisor.

Record of labor: A careful record of all labor should be kept in the labor record form and should be reported as indicated.

Visitations: Visits will be made by the supervisor in charge of this project at which time the work will be checked up and advice and counsel given.

Written summary: At the close of the project the student must write up a complete summary of the work.

References for supplementary readings: Extension Bulletin, No. 22; Extension Bulletin, No. 16; Extension Bulletin, No. 9, the N. D. Farm Fruit Garden; Circular No. 69, Care of Young Apple Trees; Bulletin No. 212, Plums and Cherries; Bulletin No. 205, Soil Management in a Young Orchard; Farmers' Bulletin, 113, The Apple and How to Grow It; Farmers' Bulletin, 181, Pruning.

PROJECT: POTATO GROWING; CREDITS, 5.

Department: Horticulture; Supervisor, J. A. Anderson.

Purpose: To teach the practical application of the principles of potato growing as taught in the classroom of the West Central School of Agriculture.

Plan of procedure: The general plan of procedure is to have the student take over the entire management of the potato field, doing as much of the actual work connected with it as possible. It involves the preparation of land, cutting and treating the seed, planting, culture, spraying, ridging, digging, selection of seed potatoes, and storing. The field must be managed to the best of the student's ability and in keeping with the most approved methods as taught in the class work of the West Central School of Agriculture.

Reports: Reports must be made in duplicate. The original to be sent back to the School and the copy retained in this binder. The reports should be sent immediately when called for by the supervisor.

Record of labor: A careful record of all labor should be kept in the labor record form, and should be recorded as indicated.

Visitation: Visits will be made by the supervisor in charge of the project at which time the work will be checked up and advice and counsel given.

Written summary: At the close of the project, the student must write up a complete summary of the work.

References for supplementary readings: Agricultural Extension Bulletin, No. 38, Potato Growing in Minnesota; Agricultural Experiment Station Bulletin, No. 158, Potato Diseases; U. S. Farmers' Bulletin, No. 753, Handling, Grading, and Marketing Potatoes.

PROJECT: ALFALFA GROWING; CREDITS, 3.

Department: Agronomy; Supervisor, R. O. Bridgford.

Purpose: To have the student put into practical application on his own farm the principles of successful alfalfa production, in accordance with the plan outlined in this project.

Plan of procedure: The general plan of procedure is to have the student grow a field of alfalfa, doing as much of the actual work connected with it, himself, as possible. It involves the selection of the seed, preparation of the ground, inoculation (where needed), seeding, and the management of the field during the growing season. All of the work is to be done to the best of the student's ability, putting into practice at all times, the most approved methods as taught at the School of Agriculture, and further outlined in the literature for supplementary reading for this project.

Reports: Reports must be made in duplicate. The original to be sent back to the School and the copy retained in this binder. These reports should reach the School on or before the date specified.

Record of labor: A careful record of all the labor must be kept in the labor record form and must be reported as indicated. In reporting the labor, a careful record should be kept, from the time the project is started, and entries made on the days that the work is done or as soon after this as possible. This will eliminate chances for error and will also facilitate a complete and accurate record for the student's final report.

Visitation: Visits will be made by the supervisor in charge of the project, at which time the work will be checked up and such advice given as he deems necessary.

Written summary: At the close of the project, the student must write a complete summary of the work.

References for supplementary reading: Wilson and Warburton, Field Crops, Subject "Alfalfa"; Farmers' Bulletin, No. 339.

PROJECT: CORN GROWING; CREDITS, 5.

Department: Agronomy; Supervisor, R. O. Bridgford.

Purpose: To have the student apply in a practical way the principles of successful corn growing as taught in the classroom of the Agricultural School.

Plan of procedure: The general plan of procedure is to have the student take over, manage, and assume the responsibility of raising a field of corn, doing as much of the actual work connected with it, himself, as possible. It involves the selection and testing of seed corn, the preparation of the ground, planting, cultivating, and harvesting the crop. All the work is to be done to the best of the student's ability and in keeping with the most improved methods, as taught in the class work of the School.

Reports: Reports must be made in duplicate. The original to be sent back to the School and the copy retained in this binder. The reports should reach the School on or before the date specified.

Record of labor: A careful record of all the labor must be kept in the labor record form, and must be reported as indicated. In reporting the labor, a careful record should be kept from the start, and entries made the days that the work is done or as soon after this as possible. This will eliminate chances for error and will also facilitate a complete and accurate record for the student's final report.

Visitation: Visits will be made by the supervisor in charge of the project, at which time the work will be checked up, and such advice given as he deems necessary.

Written summary: At the close of the project a student must write a complete summary of the work.

References for supplementary reading: Field Crops, by Wilson and Warburton; Farmers' Bulletin No. 199.

PROJECT: FARM MANAGEMENT; CREDITS, 5.

Department: Agronomy; Supervisor, R. O. Bridgford.

Purpose: To have the student apply in a practical way the principle of keeping accurate farm accounts as taught in the classroom of the School of Agriculture.

Plan of procedure: The general plan of procedure is to have the student assume the responsibility of handling the business of his home farm for a year, and of keeping a record of all transactions that take place on the farm during that time.

It involves:

1. The taking of an inventory of all livestock, feed, supplies, seed grain, and machinery on the first day of April.
2. The making of a table showing the acreage of all crops grown, and later the yield of same.
3. The keeping of an accurate record of all receipts from:
 - a. Sale of crops
 - b. Sale of stock
 - c. Cream, milk, and butter
 - d. Poultry
 - e. Other sources
4. Keeping an accurate record of all expenses for:
 - a. Stock
 - b. Crops
 - c. Equipment
 - d. Permanent improvements
 - e. All other farm expenses
5. Closing inventory and figuring the labor income for the year.
6. Final financial statement.

Reports: The student will be expected to send in a written report on his project at its close. This should include a general review of the project, any interesting data concerning it, and any modifications which the student plans on making the following year, as a result of having kept the records and accounts.

Visitation: The supervisor will visit the student during the course of the project at which time the work will be checked up, and such advice given as he thinks necessary.

References for supplementary reading: Warren's Farm Management; Boss' Farm Management; Farmers' Bulletin No. 511, U. S. Department of Agriculture.

PROJECT: SWINE MANAGEMENT; CREDITS, 5.

Department: Animal Husbandry; Supervisor, P. S. Jordan.

Purpose: To teach the practical application of the principles of successful swine management as taught in the classroom of the Agricultural School.

Plan of procedure: The general plan of procedure is to have the student take over the entire management of the farm herd for one season, doing as much of the actual work connected with it, himself, as possible. It involves the invoicing of the herd at the beginning of the project and the close, the keeping of records of the number of pigs farrowed per litter, sex, number raised, ear markings, etc. A statement of housing provided, feeds fed, costs of production by close estimates. A record of all sales and all other details connected with the management of the herd. It is one of the requirements of this project that some pasture be provided. The herd must be managed to the best of the student's ability and in keeping with the most approved methods as taught in the class work of the School.

Reports: Reports must be made in duplicate. The original to be sent back to the School and the copy retained in this binder. The reports should reach the School on or before the date specified.

Record of labor: A careful record of all labor should be kept in the labor record form and should be reported as indicated. In recording the labor, a careful record should be kept the first week or two and entries made every day. After that, entries may be made once a week using the record of the first two weeks as a basis for estimating the average amount of time spent in doing the chores with the hogs. When special work is done, such as marking, ringing, etc., an entry of this labor should be made at once.

Visitation: Visits will be made by the supervisor in charge of this project at which time the work will be checked up and advice and counsel given.

Written summary: At the close of the project the student must write up a complete summary of the work.

References for supplementary readings: Dietrich, Swine; Henry and Morrison, Feeds and Feeding; Smith's Profitable Stock Feeding; Wisconsin Bulletin No. 242, Pork Production in Wisconsin; U. S. Farmers' Bulletin 874, Swine Management.

HOME PROJECTS FOR GIRLS

Purpose: With the purpose of assisting the girl to continue her study of home-making problems throughout the summer months and to put into practice her instruction in regard to these same problems, each girl is assigned one or more definite home projects to be carried on between April 1 and October 1.

Nature of work: Each project consists of written reports upon the work done and a record of the time spent. Each project is carried on under the supervision of an instructor who outlines the work and visits the student two or more times during the summer.

Work required: Of a total of 160 credit hours required for graduation, five credit hours must be made and ten may be made in home project work. This makes it necessary for each girl to carry on project work during one summer of her school course, and possible for her to do so for two summers.

Projects: The project for freshman girls is a kitchen project. This project is a study of the home kitchen to show the convenient and inconvenient features and the possibilities of rearranging the working units so that many steps and extra work may be saved. The study is taken up as follows: (1) use; (2) exposure; (3) size and shape; (4) lighting; (5) walls and woodwork; (6) floors; (7) arrangement; (8) convenience; (9) suggestions for improvement.

The project for junior girls is a clothing project. This project is a study of the annual cost of a girl's clothing in relation to the family income, and her earning capacity in making her own clothes. It consists of:

Part I. (1) Inventory of clothing on hand April 1; (2) clothing purchased ready made April 1 to October 1; (3) clothing made at home April 1 to October 1.

Part II. (1) Clothing purchased ready made October 1 to April 1; (2) clothing made at school or at home October 1 to April 1; (3) summary of expenditures for clothing for entire year.

WEST CENTRAL EXPERIMENT STATION

STATION STAFF

R. W. THATCHER, M.A., Director
ANDREW BOSS, Vice Director
P. E. MILLER, B.S., Superintendent
P. S. JORDAN, B.S., Animal Husbandry
R. O. BRIDGFORD, B.S., Agronomy
J. A. ANDERSON, B.S., Horticulture

The West Central Experiment Station, as a branch of the Minnesota Experiment Station, was established in 1910. Investigational work was begun in 1914. Beginning with 1915 the results and progress of the work have each year been published in the Annual Report of the Station. The Station is now conducting extensive experimental work in agronomy, soils, horticulture, and animal husbandry.

The Station is coöperating with the Central Experiment Station and the United States Bureau of Soils in a complete soil survey of Stevens County, the results of which will be ready for publication in 1919.

Most of the experimental work is entirely regional and all experiments are planned with the view that the results will be applicable to western Minnesota conditions. The results of the work are now finding direct application on the farms throughout the district.

In 1918 the work with phosphate fertilizers was extended by demonstrations on many farms throughout the territory served by the Station. The results so fully substantiate the findings on the experimental plots of the Station, that the investigations begun in 1914 appear destined to have immediately a prominent part in the management of western Minnesota soils. The results of these coöperative experiments are reported in Special bulletin No. 34 of the Agricultural Extension Division entitled, "Phosphate Demonstrations in Stevens County in 1918."

The following is a brief outline of the experimental projects:

Varietal tests of farm crops.—This project was begun in 1915. The purpose is to study the variety characteristics and conduct variety tests under the environmental conditions with a view to getting the best yielding and thoroly adapted strains to meet the economic and crop conditions of western Minnesota. Over one hundred varieties of corn, wheat, oats, barley, rye, speltz, field beans, soy beans, etc., are now in test. Pure seed stocks of many promising varieties are being increased.

Selecting Minnesota No. 13 corn for yield and early maturity.—This project was begun in 1914. The object is to adapt more thoroly Minnesota No. 13 corn to Western Minnesota conditions and to improve the maturity and type by selection and breeding. The improvement work is based on centgener selections and increase work in bulk plots. Before doing centgener work the best selections are grown in bulk plots until sufficient promise is given to warrant centgener tests.

The breeding and testing of pedigreed strains and types of alfalfa.—This project was begun in 1914. The object is to determine the hardiness and yield of the various types and pedigreed strains of alfalfa and make selections from the most promising strains for further improvement. The commercial varieties and the improved selections of the various experiment stations are secured as occasion permits and are planted in the alfalfa nursery. Performance records including yield, hardiness, and plant characteristics are kept. Selections and increase work are carried on with the most promising strains.

Crop rotation experiments.—This project was begun in 1916. It includes the following divisions:

1. The utilization of medium red clover in a 4-year rotation of corn, wheat, barley, and clover to determine the effect of the various methods of utilizing the clover crop in such a rotation upon crop yields and soil fertility.

2. An 8-year rotation without manure, including 4 years of cereal crops and 4 years of alfalfa, to determine the crop which will most profitably follow alfalfa and the value of alfalfa in an 8-year rotation.

3. The use of barnyard manure applied at rates varying from 0 to 32 tons per acre on a 4-year rotation of corn, wheat, barley, and clover to determine the value of manure applied at these various rates per acre.

4. The use of crop residues applied at rates varying from 0 to 2 tons per acre on a rotation of corn and wheat to ascertain the effect of crop residues in different amounts upon soil conditions, and upon crop yields.

5. The continuous growing of corn, wheat, oats, and barley on the same land to demonstrate the effect of continuous cropping upon soil conditions and crop yields.

Phosphate fertilizer tests.—The following tests were begun in 1914:

1. The use of acid phosphate, of rock phosphate and of manure alone as well as rock phosphate with manure and acid phosphate with manure, and the use of lime with all of the above combinations on a 4-year rotation of corn, wheat, oats, and clover to determine the value of these fertilizers for the soils of western Minnesota, when the above cropping systems are used.

2. The use of gypsum, manure, rock phosphate, acid phosphate, sulphate of potash and the last two in combination, and the use of lime with all the above combinations on alfalfa to determine the fertilizer needs of alfalfa for the soils of western Minnesota.

Rotations and alternate cropping experiments.—These experiments were begun in 1919 and include the following cropping systems:

1. A 3-year rotation of oats, clover, corn with 6 tons of barnyard manure per acre applied to the land preceding corn, to determine the value of this form of rotation.

2. A 4-year rotation of oats, clover, corn, barley, with 8 tons of barnyard manure per acre applied preceding corn, to determine the value of this form of rotation.

3. A 5-year rotation of oats, clover hay, timothy and clover hay to determine the value of a standard 5-year rotation in comparison with one of shorter duration.

4. A 5-year rotation of oats, wheat

 A 5-year rotation of oats, barley

 A 5-year rotation of wheat, barley.

The object of these rotations is to show the effect of alternate cropping of the various crops and a comparison of this system with the above rotations.

5. Continuous cropping of oats

 Continuous cropping of wheat

 Continuous cropping of barley.

To demonstrate the effect of continuous cropping as compared with alternate cropping and the 3-, 4-, 5-year rotations.

Rate of seeding oats.—These experiments were begun in 1914. Seedings of 48, 64, 80, 96, and 112 pounds per acre are made, to determine the most satisfactory amount of seed to sow per acre.

Corn and soy bean silage tests.—Corn and soy beans are drilled in rows together and cut for silage. Field weights are obtained and analysis of the silage is made for comparison with straight corn silage.

Investigations in cereal breeding.—The testing of selections, hybrids, etc., in rod rows with the purpose of ultimately producing better varieties of cereal grains for Minnesota.

Potato investigations.—This project was begun in 1918 and includes the following work:

1. Variety tests to determine which varieties of potatoes are best adapted to western Minnesota conditions.

2. Cultivation experiments to determine the method of cultivation which is most satisfactory in the cropping of potatoes, surface or ridged cultivation.

3. Depth of planting trials to determine which depth of planting will give the best results.

4. Spraying experiments to determine the value of spraying potatoes for fungus diseases.

5. Hill-selection experiments to determine the value of hill selections as compared with the tuber-unit method.

The testing of trees and ornamentals.—This project was begun in 1914. The object is to determine the comparative value of the various trees, shrubs, and ornamentals, for farm planting under Western Minnesota conditions.

All the standard varieties of trees and shrubs have been planted in the nursery and on the campus. These plantings will be added to from year to year as new stock is obtained. All seedlings are set in the nursery and grown there until they are of proper size. They are then transplanted to their permanent location on the campus, in accordance with an organized plan of landscape planting for the development of

the School grounds. Notes as to rapidity of growth, time of bloom, winter-killing, and resistance to mechanical injury are kept.

Variety tests of vegetables.—This project was begun in 1917 to determine which varieties of vegetables are best suited to Western Minnesota conditions, and to compare new varieties with the standard varieties.

Bush and fruit investigations.—This project was begun in 1917 to determine which varieties of bush and tree fruits are best suited for planting under Western Minnesota conditions.

Several varieties of bush and tree fruits have been planted in the orchard and small fruit garden. These will be added to from year to year, as new stock is obtained. Careful notes as to earliness, hardiness, yield, quality of fruit, resistance to disease, and freedom from disease will be kept.

Feeding experiments with swine.—This project was begun in 1916 and has the following parts:

1. Growing pigs on alfalfa pasture in combination with the self-feeder as compared with growing pigs in a dry lot in combination with the self-feeder, to determine the gains and the cost of gains made by these methods.

2. Growing pigs on alfalfa pasture in combination with a full grain ration (hand fed) as compared with growing pigs in a dry lot in combination with a full grain ration (hand fed), to determine the gains and the cost of gains made by these methods.

3. Growing pigs on alfalfa pasture in combination with the self-feeder with a full grain ration (hand fed) as compared with growing pigs on alfalfa pasture in combination with a reduced grain ration (hand fed), to determine the gains and the cost of gains made by these methods.

4. Growing pigs in a dry lot in combination with the self-feeder as compared with growing pigs in a dry lot in combination with a full grain ration (hand fed), to determine the gains and the cost of gains made by these methods.

5. The effect of pasturing hogs on the growth and stand of alfalfa.

SUMMARY OF ATTENDANCE

1918-1919

Regular School Course	Men	Women	Total
Advanced Course	4	0	4
Seniors	8	6	14
Juniors	15	17	32
Freshmen	115	62	177
	<hr/>	<hr/>	<hr/>
Total regular School course.....	142	85	227
Summer Session, 1918.....	0	70	70
Farm Women's Short Course, 1918.....	0	71	71
Farmers' Tractor School, 1919.....	65	0	65
Junior Short Course, 1919.....	270
	<hr/>	<hr/>	<hr/>
Total	207	226	703

STUDENTS

1918-1919

ADVANCED—4

Cummings, Kenneth, Dawson
Erdahl, Manford, St. Cloud

Mahoney, Francis, Correll
Nelson, Earl, Dawson

SENIORS—14

Brisbane, Lowell, Morris
Dosen, Karen, Starbuck
Dripps, Allen, Morris
Erickson, Ethel, Nelson
Halvorson, Roy, Kerkhoven
James, Harold, Glenwood
Kerr, Isabella, Holloway

Mecklenburg, Dora, Nashua
Myrum, Viola, Louisburg
Rolighed, Marvin, Appleton
Saterlie, Arthur, Appleton
Stegner, Wesley, Beardsley
Thompson, William, Glenwood
Ulvestad, Ruth, Morris

JUNIORS—32

Carton, Agnes, Owatonna
Crissey, Orville, Morris
Crissey, Raymond, Morris
Dehne, Reuben, Holloway
Dale, Selina, Dawson
Dell, Mildred, Hardwick
Eastman, Victor, Beardsley
Erdahl, Selmer, St. Cloud
Evans, Emily, Correll
Fauskee, Ella, Brooten
Hendrickson, Stella, Kensington
Hoff, Ole, Chokio
Howard, Myra, Rochester
Hoyum, Lillian, Dawson
Landes, Lillian, Hancock
Leaf, Earl, Homer

Lewig, Laura, Nashua
Madsen, Alice, Herman
Malm, Leo, Browns Valley
Marple, Lawrence, Wendell
Nelson, Jessie, Dawson
Norberg, Gladys, Kensington
Odden, Olga, Echo
Potts, Clarence, Browns Valley
Pushor, Kyle, Donnelly
Quarve, Olive, Louisburg
Ray, Ruth, Hancock
Sather, Clifford, Morris
Shaw, Curtis, Chokio
Stark, Charlotte, Kensington
Thoen, Elmer, Dawson
Torgelson, Elmer, Milan

FRESHMEN—177

Aarvig, Earl, Willmar
Anderson, Arthur, Fort Ransom, N. D.
Anderson, Edwin, Alberta
Anderson, LeRoy, Alexandria
Anderson, Theodore, Ortonville
Anderson, Viola, Kensington
Arnold, Arthur, Correll
Arnold, Lydia, Correll
Arndt, Emma, Hardwick
Austin, Marion, Campbell
Austvold, Sophia, Glenwood
Bahnsen, Alice, Morris
Bakken, Annie, Dawson
Bakken, Adolph, Dawson
Bakke, Edgar, Granite Falls
Barsness, James, Glenwood
Barsness, Peter, Glenwood
Barsness, Sydney, Glenwood

Bearl, Rodger, Morris
Behl, Foster, Morris
Benson, Carl, Morris
Berg, Carl, Chokio
Berwald, Ernest, Big Stone, S. D.
Berwald, Sophy, Big Stone, S. D.
Bloomquist, Irene, Starbuck
Bloomquist, Alvin, Starbuck
Bouska, Lillian, Raymond
Brown, Julia, Chokio
Brandby, Gerhard, Glenwood
Bridel, Virgil, De Graff
Brownell, Dale, Granite Falls
Bugbee, Robert, Wendell
Busse, Anna, Appleton
Carlin, Lillian, Donnelly
Carlin, Mae, Donnelly
Carton, Evelyn, Owatonna

- Clausen, Jens, Raymond
 Conger, Calving, Bary
 Donnen, John, Tintah
 Donnen, Ida, Tintah
 Eastman, Ethel, Beardsley
 Eckert, Virgil, Glenwood
 Erickson, Helen, Starbuck
 Erickson, Jennie, Starbuck
 Ellis, George, Beardsley
 Eliason, Ingvald, Alberta
 Estenson, Ruth, Hancock
 Eystad, Oscar, Alberta
 Eystad, Otto, Alberta
 Erickson, Oswald, Chokio
 Fath, Nicholas, De Graff
 Ferdon, Glen, Herman
 Ferdon, Lee, Herman
 Ferry, Leo, De Graff
 Fessler, Meta, Hardwick
 Fransen, Marvin, New Effington, S. D.
 Fondell, Pearl, Dawson
 Giese, Anna, Holloway
 Gilbertson, Guy, Glenwood
 Green, Rex, Clinton
 Grindahl, Luella, Belgrade
 Gunnafson, Wallace, Cyrus
 Gustafson, Bert, Cyrus
 Haase, Gertrude, Morris
 Hagen, Harold, Danvers
 Hanson, Chester, Graceville
 Hanson, Walter, Graceville
 Hanson, Lydia, Nelson
 Hasse, Elsie, Tintah
 Hendrickson, Arthur, Norcross
 Hendrickson, Esther, Kensington
 Hendrickson, Elvin, Norcross
 Hendrickson, Waldemar, Kensington
 Herring, Esther, Renville
 Hyland, Lucius, Colgan, N. D.
 Hoffman, Myrtle, Morris
 Hovde, Brynjolf, Glenwood
 Holten, Gena, Glenwood
 Iverson, Gyda, Granite Falls
 Jacobson, Joseph, Alberta
 Johnson, Delia, Nelson
 Kellen, Leonard, Madison
 Kjera, Alfred, Cyrus
 Kjera, Ingvald, Cyrus
 Kleven, Bertina, Starbuck
 Klovstad, Fred, Milan
 Knutson, Elmer, Beardsley
 Koll, Karl, Hardwick
 Koll, Ella, Hardwick
 Koosman, Gertrude, Correll
 Koosman, Fred, Holloway
 Kolodgy, Louis, Donnelly
 Kvistero, Julia, Granite Falls
 Larson, Ella, Dawson
 Larson, Lyda, Glenwood
 Lindberg, Pearl, Campbell
 Laudenslager, Ernest, Donnelly
 Lerdahl, Edward, Cyrus
 Lerdahl, William, Cyrus
 Leverson, Elmo, Brooten
 Lewig, Lloyd, Nashua
 Lindberg, Clair, Campbell
 Leuneberg, Ernest, Herman
 Luhman, Reuben, Chokio
 Lund, George, Madison
 McNally, John, Chokio
 Melin, Berger, Appleton
 Miller, Ben, Chokio
 Moe, Arthur, Mora
 Minners, Frieda, Johnson
 Munson, Roy, Doran
 Mortenson, Carl, Alberta
 Murphy, Francis, Luce
 Narragon, Archie, Raymond
 Nelson, Bernard, Clinton
 Ness, Cora, Dawson
 Nilson, Dora, Kensington
 Neuschwander, Arthur, Big Stone City,
 S. D.
 Nordstrom, Lillian, Kensington
 Nysteun, Reuben, Morris
 Ogdahl, Norman, Glenwood
 Olson, Selmer, Morris
 Osterberg, Bertha, Farwell
 Paulson, Anna, Alexandria
 Peterson, Agnes, Madison
 Predmore, Eva, Norcross
 Reedy, John, Graceville
 Rice, George, Renville
 Rime, Martin, Murdock
 Rolan, Wallace, Clinton
 Romo, Lawrence, Granite Falls
 Rood, Perry, Herman
 Rustad, Joseph, Battle Lake
 Rud, Thea, Starbuck
 Salmonson, Rolland, Clinton
 Sather, Lawrence, Morris
 Saterlie, Ernest, Montevideo
 Schlegal, Clark, Chokio
 Schnaser, Oscar, Big Stone City, S. D.
 Schnaser, Clara, Big Stone City, S. D.
 Schmidt, Helen, Big Stone City, S. D.
 Schroeder, Lena, Appleton
 Schroeder, Clarence, Morris
 Schwartz, Ben, Morris
 Skoin, Alvin, Dawson
 Smedstad, William, Starbuck
 Smedstad, Cora, Starbuck
 Spilseth, Milo, Kensington
 Spilseth, Palmer, Kensington
 Shandorf, Ralph, Browns Valley
 Steen, John, Nashua

Stock, Carl, Kensington
Stock, Clara, Kensington
Stark, Ruth, Kensington
Steen, Bertha, Nashua
Summer, Clifton, Chokio
Swift, James, Wendell
Syverson, Palmer, Alexandria
Thimmesch, Anthony, Osakis
Thimmesch, Theodore, Osakis
Thompson, Magnus, Starbuck
Thompson, Peter, Starbuck
Thompson, Victor, Madison
Tonn, Herbert, Hancock

Torgrimson, Lloyd, Madison
Vold, Alice, Glenwood
Waechter, Carl, Appleton
Weaver, John, Wendell
Weaver, Eva, Wendell
Welfare, Agnes, Morris
Welfare, LeRoy, Morris
Werner, Arvid, Brandon
Wetterling, Flavia, Kensington
Wickstrom, Ralph, Alberta
Wenschlag, Elsie, Clair City, S. D.
Wenschlag, Frances, Clair City, S. D.
Wiese, Laura, Luverne

THE UNIVERSITY OF MINNESOTA

WEST CENTRAL SCHOOL OF AGRICULTURE

Please read the Bulletin carefully, noting the paragraphs headed "Admission," "Time of Opening," "Rooms in Dormitories," "What to Bring," and "Expenses." If you plan to enter the School, fill out the application blank below and mail it to the Registrar, West Central School of Agriculture, Morris, Minnesota. Send with this application \$2 made payable to the West Central School for a room reservation in one of the dormitories. This \$2 will be applied on your first month's expenses on entering School. In case your application is received after all space has been assigned, you will be so notified. In case you can not enter School after making application, you should notify the Registrar as soon as possible. If this is done prior to fifteen days before the opening of School, the money will be returned, otherwise it will not. Students are strongly urged to reserve rooms in advance.

One hundred fifty dollars will pay the entire expenses for 6 months. There is also a limited amount of work around the School whereby a few students can earn part of their expenses.

.....
Mail the following application to the Registrar, West Central School of Agriculture, Morris, Minnesota.

To the Registrar:

West Central School of Agriculture,
Morris, Minnesota.

I am enclosing \$2 for a room reservation in one of the dormitories. I wish to room with the following person.....

.....(state preference if any). I expect to enter School about.....

Name

Home Address: R. F. D....., Post Office.....

THE LIBRARY OF THE
FEB 26 1931
UNIVERSITY OF ILLINOIS.



3 0112 105848664